Appendix A Site Diagrams

Diagram 1: Site Location Map

Diagram 2: Site Plan

Diagram 3: Evacuation

Diagram 4: Surface Water Storage and Pump Back Locations

Diagram 5: Drainage Basins & Outfall Locations

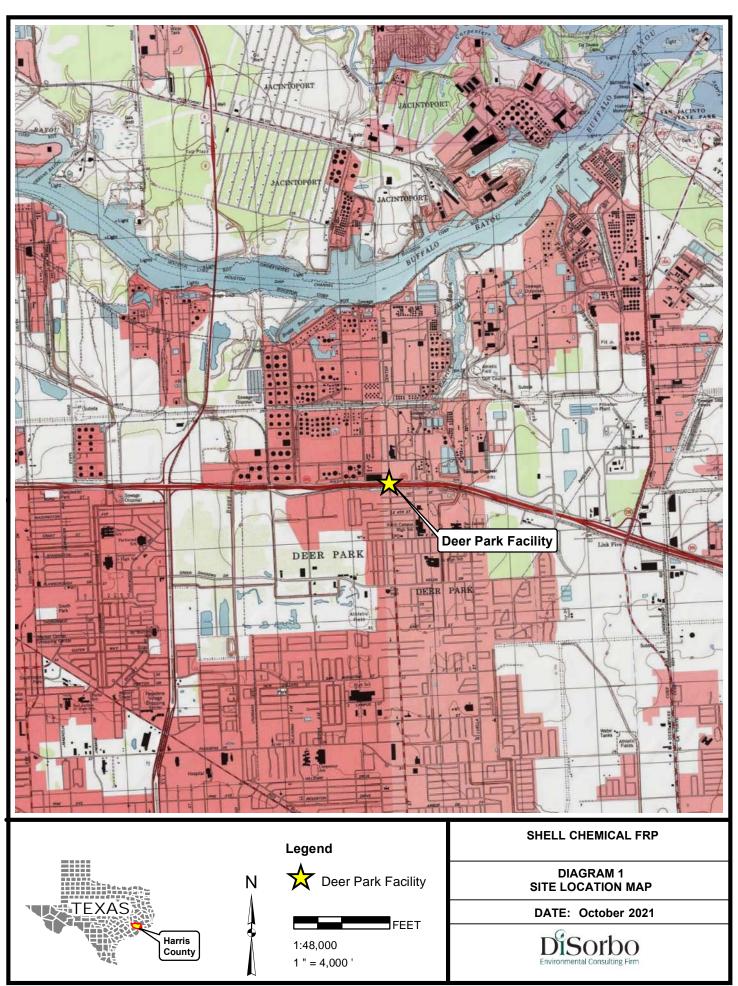
Diagram 6: Oil Boom Box Locations and Booming Strategies

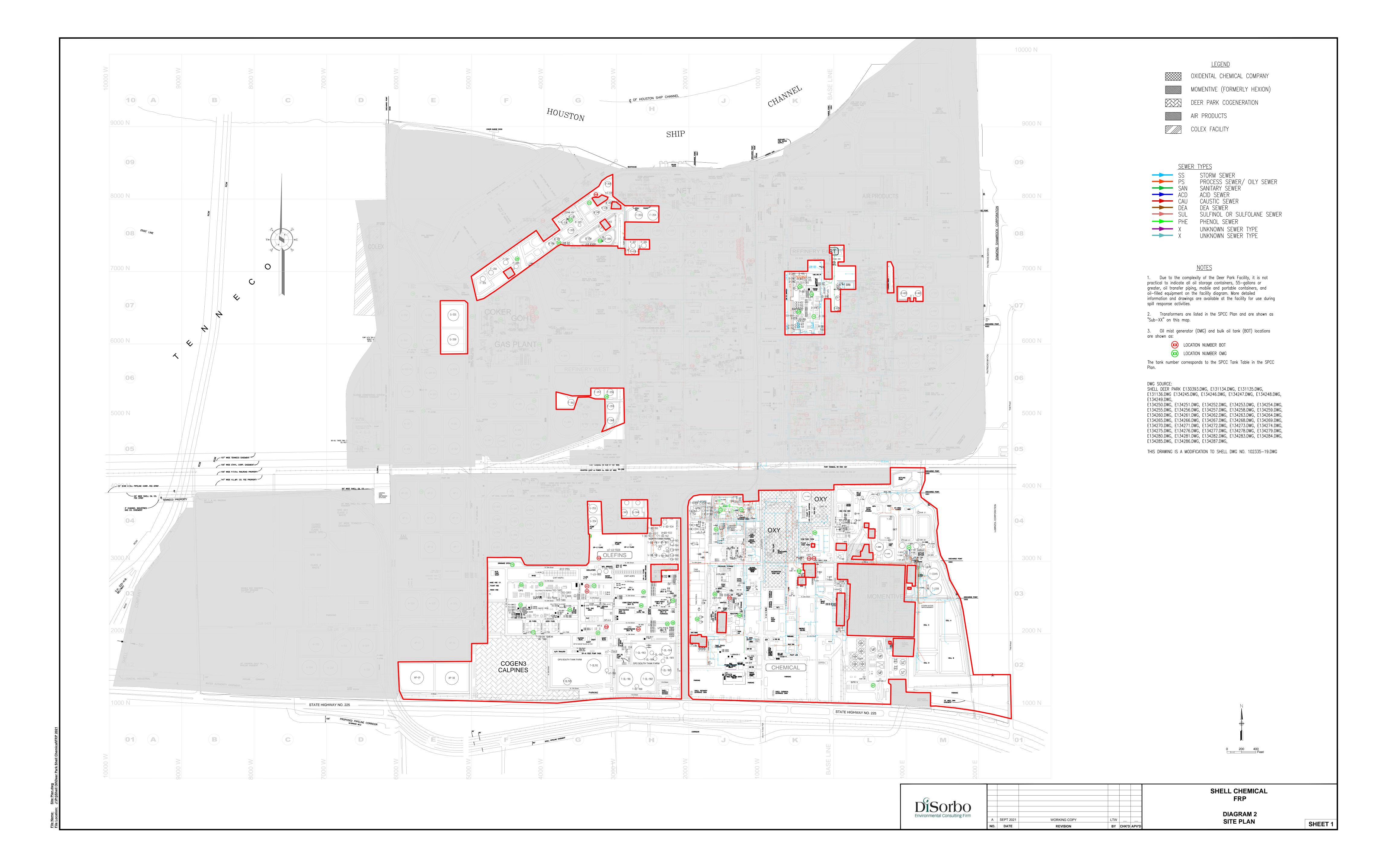
Diagram 7: Dock Locations and ER Equipment

Diagram 8: Emergency Response Equipment

Facility Response Plan

Shell Chemical
October 2021





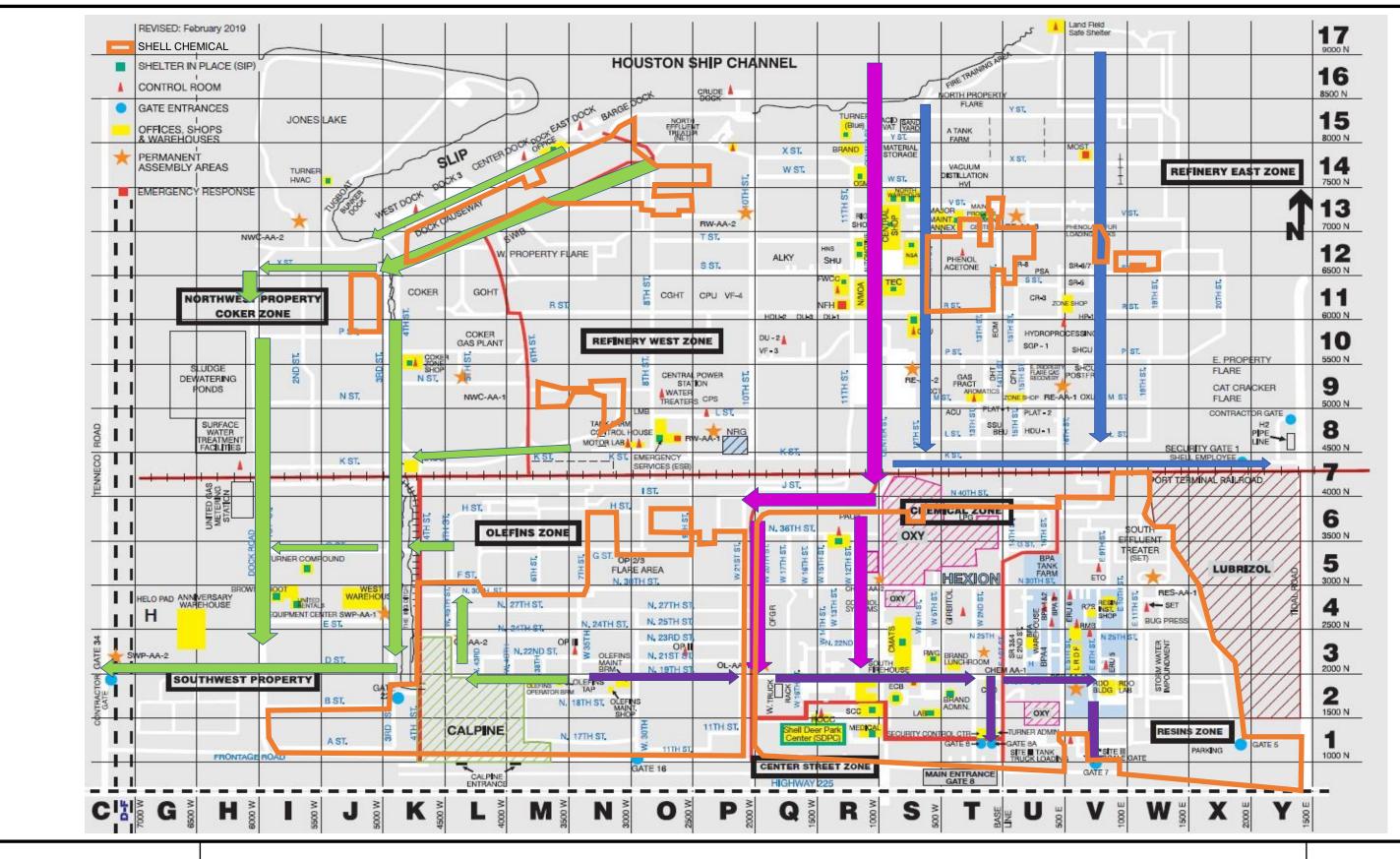




DIAGRAM 3
EVACUATION ROUTES AND SHELTERS IN PLACE

APPROVED BY:	M FULLER
PROJECT	FRP 2021
FILE NO:	EVAC ROUTE
DATE:	OCTOBER 2021



SHELL DEER PARK FACILITY ICP

DIAGRAM 4
SURFACE WATER STORAGE AND PUMP BACK LOCATIONS

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APPROVED B	: H FULTS
PROJECT NO:	SPCC 2017
FILE NO.	SW Storage and Pump.mxd

JULY, 2017

DATE:

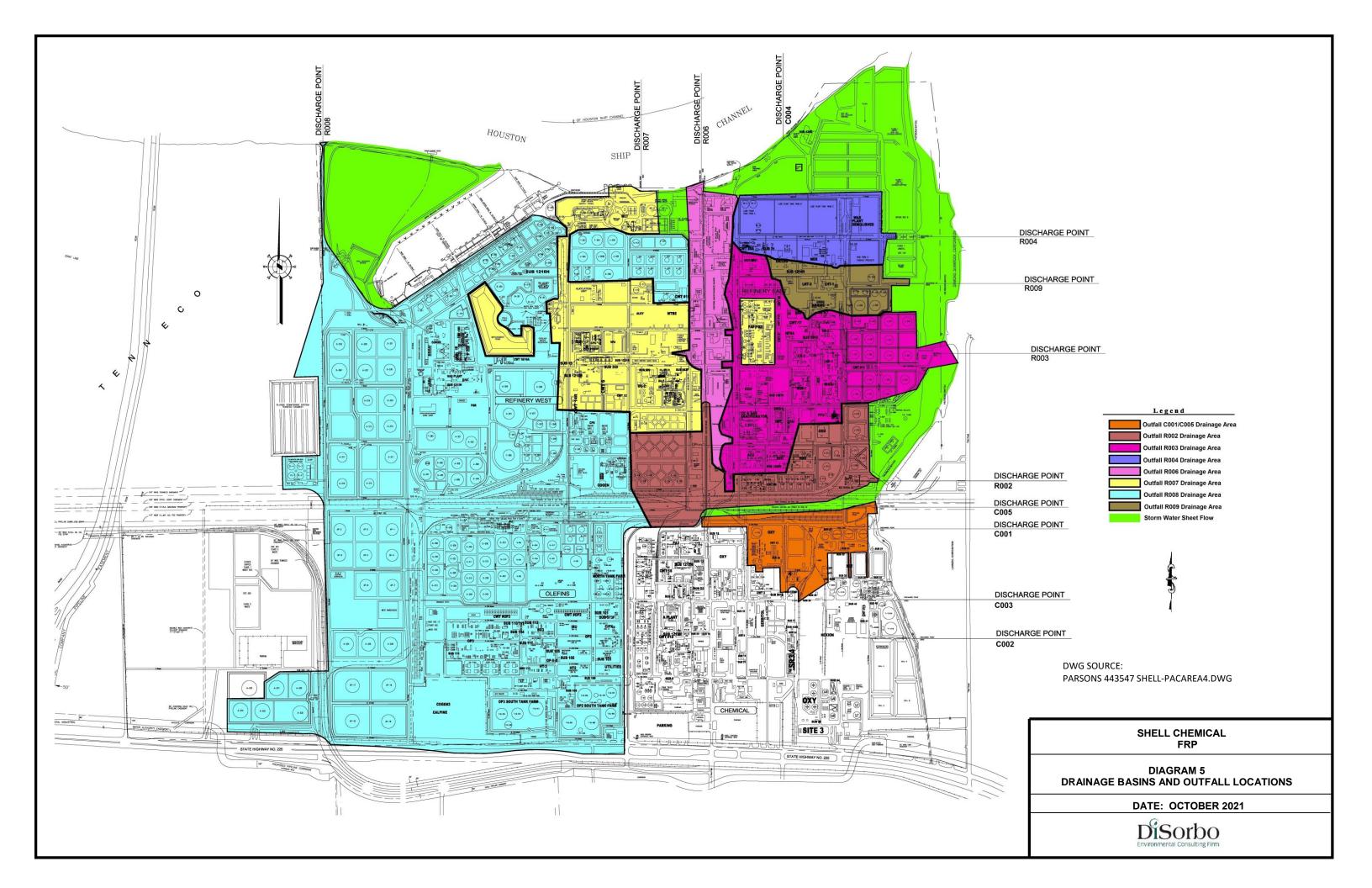


DIAGRAM 6

Oil Boom Box Locations and Booming Strategies

The complex has two boom boxes containing 3500' of 18" boom. The boxes are located at Jones Point and at the Coast Guard Gate.



These gates are double locked with a Security and ER MOST lock. They will need to be monitored while open. Security can provide this activity.

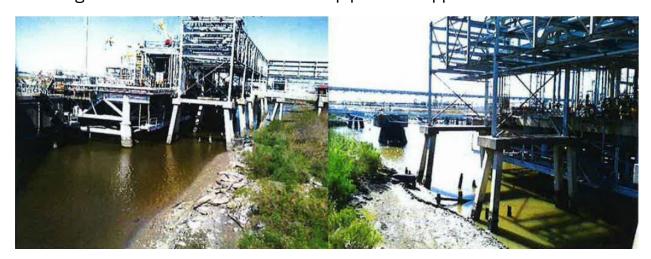
West Dock Booming Strategy



HAZARDS:

Access to the backside of the dock must be made by passing under the structure walkway to the east (Boat #1 must have the VHF antenna lowered).

Or, under the pipe rack structure on the west end. Note the "normally" submerged items in the water under the pipe rack supports.



Working a boat close to shore will have the potential to impact the underwater bulkhead.

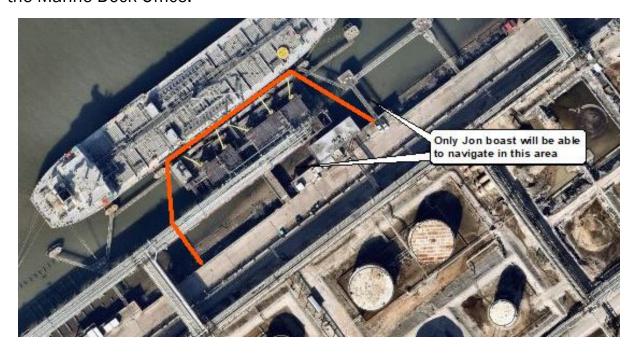
There are also underwater obstacles to the east behind the West Dock.



Picture taken looking east from the West Dock Walkway at extreme low tide.

Center Dock Booming Strategy

Booming the Center Dock is the most straightforward dock to boom off. Currently water access to the backside of the dock must be made underneath the Marine Dock Office.



Barge / East Dock Booming Strategy

Location:

The Barge Dock is located at the east end of the East Dock.

Hazards:

Directly under the Barge Dock are many pilings cut off just below the normal tide water level. Access to this area should be done with Jon boats.

Booming:

18" boom supply would be the Jones Point boom box.

10" boom can be pulled from our shallow water response boom trailer. Some assistance to booming can be made from catwalks under the Barge Dock.

Approach to the west side of the Barge Dock must be made with a Jon boat.

Booming at the Barge Dock only:



Booming the Barge Dock and a barge at the Barge Dock:



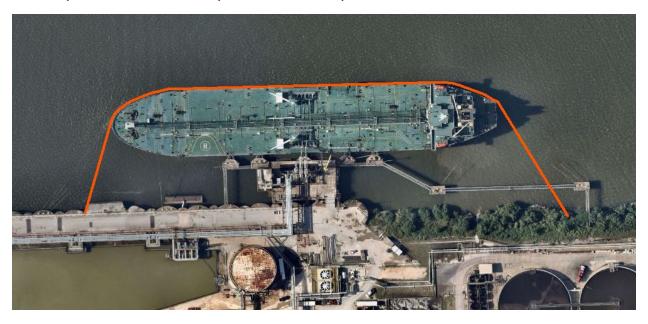
Booming the Barge Dock, East Dock, and any barge at the Barge Dock:



Crude Dock Booming Strategy

Boom for booming the crude dock is staged at the Coast Guard Gate (at the end of Center Street) boom box. This boom box contains 1800' of 18" boom.

If the spill includes the ship, the whole ship must be boomed in.



If the spill is related to only the dock, the boom can be placed under the dock allowing the ship to be cleaned and leave.



R-003 Booming Strategy

Patrick's Bayou is a Super Fund Site. Caution should be used to not disturb the bottom. Disturbing the bottom is allowed if it is necessary to deploy the boom to contain oil.

<u>Safety Related Issues:</u> The bank is all soil/mud, watch for slippery conditions. There is typically light to heavy vegetation growth in the area and on the old Highway Bridge.

The gate is just to the north of the road along the north side of the outer pond.

Boom for booming is not staged at the outfall. The MOST Boom Trailer "B" is set up for shallow water response. It contains 1000' of hard boom, 600' of 8" sorbent boom and a 14' Jon boat with a trolling motor for response in shallow water. Boom Trailer "B" also has other supplies for a booming response. With a north wind, it is not recommended to place sorbent boom along the north side of the bridge as the boom will become destroyed.



Booming Pre-Plan for R-008

R-008 is located at the north end of the "Big Ditch" on the west side of the complex. R-008 discharges into the Houston Ship Channel. 300' of hard boom is required.



On the west side of the shoreline is rock. A "Do Not Dredge or Anchor" sign makes a good tie-off point. On the east side the shoreline is sandy beach. The boom may need to be walked back from the point. There are three culverts going through the peninsula, this is the reason for booming back to the shoreline on the east side.



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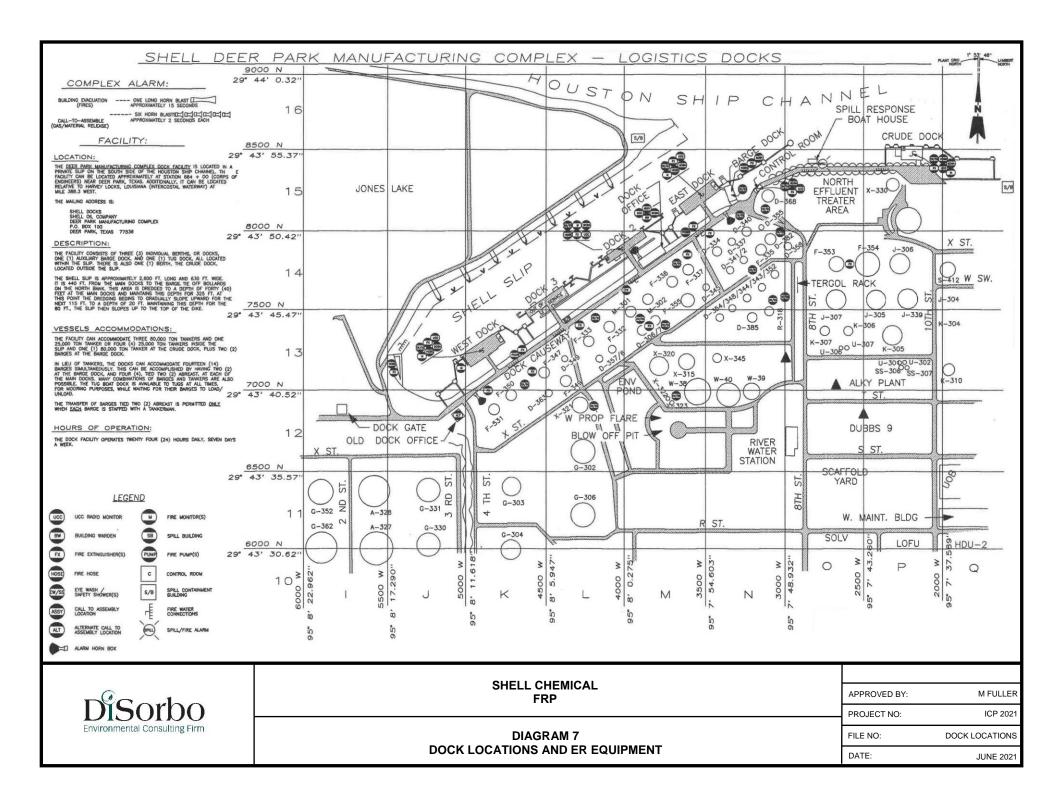




DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
EMERGENCY OPERATIONS CENTER LOCATIONS - SHEET 1 OF 6

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FILE NO.	8 Emergency	Response.mxd

DATE: JUNE 2021



DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
EMERGENCY OPERATIONS CENTER LOCATIONS - SHEET 2 OF 6

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DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
EMERGENCY OPERATIONS CENTER LOCATIONS - SHEET 3 OF 6

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DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
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DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
EMERGENCY OPERATIONS CENTER LOCATIONS - SHEET 5 OF 6

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DIAGRAM 8
FACILITY EMERGENCY RESPONSE EQUIPMENT AND
EMERGENCY OPERATIONS CENTER LOCATIONS - SHEET 6 OF 6

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